

WHAT IS CLAIMED IS:

1. A flat shield cable comprising:
 - a plurality of parallel signal lines, each of the signal lines having an insulating cover;
 - a drain line disposed on a first side of the signal lines;
 - a dummy line disposed on a second side of the signal lines;
 - a shield tape covering the signal lines, the drain line, and the dummy line, the shield tape including a metal foil, a polymer layer and an adhesive film, the metal foil being adjacent the signal lines, the drain line and the dummy line, the polymer layer adjacent to the metal foil, and the adhesive film being adjacent to the polymer layer; and
 - an insulating sheath covering the shield layer and being adjacent to the adhesive film, wherein the plurality of signal lines, the drain line and the dummy line are coplanar, and the adhesive connecting the polymer layer and the insulating sheath to enable removal of the insulating sheath and the polymer layer together without also removing the metal foil.
2. The flat shield cable according to claim 1, wherein the dummy line is made of a metal or an alloy.
3. The flat shield cable according to claim 1, wherein the diameter of the dummy line is greater than a diameter of a core conductor of each of the signal lines.
4. The flat shield cable according to claim 2, wherein the diameter of the dummy line is greater than a diameter of a core conductor of each of the signal lines.
5. The flat shield cable according to claim 2, wherein the metal or alloy is aluminum.
6. The flat shield cable according to claim 3, wherein the diameter of the dummy line is greater than a diameter of the drain line.
7. The flat shield cable according to claim 1, wherein the metal foil is made of one of copper, tin-plated copper or aluminum.
8. The flat shield cable according to claim 1, wherein the metal foil is 6 to 12 μm in thickness, the polymer layer is 6 to 12 μm in thickness, and the adhesive is 1 to 3 μm in thickness.
9. The flat shield cable according to claim 1, wherein a cross-section area of the dummy line ranges from 0.22 to 0.37 mm^2 , and a cross-section area of the core conductor ranges from 0.08 to 0.22 mm^2 .

10. The flat shield cable according to claim 2, wherein the metal foil is made of one of copper, tin-plated copper or aluminum.

11. The flat shield cable according to claim 2, wherein the metal foil is 6 to 12 μm in thickness, the polymer layer is 6 to 12 μm in thickness, and the adhesive is 1 to 3 μm in thickness.

12. The flat shield cable according to claim 2, wherein a cross-section area of the dummy line ranges from 0.22 to 0.37 mm^2 , and a cross-section area of the core conductor ranges from 0.08 to 0.22 mm^2 .

13. The flat shield cable according to claim 3, wherein the metal foil is made of one of copper, tin-plated copper or aluminum.

14. The flat shield cable according to claim 3, wherein the metal foil is 6 to 12 μm in thickness, the polymer layer is 6 to 12 μm in thickness, and the adhesive is 1 to 3 μm in thickness.

15. The flat shield cable according to claim 3, wherein a cross-section area of the dummy line ranges from 0.22 to 0.37 mm^2 , and a cross-section area of the core conductor ranges from 0.08 to 0.22 mm^2 .

16. A method for producing a sheathed flat cable, comprising:
drawing a plurality of wires into a shield applying region;
forming a shield tape that includes a metal foil, a polymer layer and an adhesive film;
wrapping the shield tape around the plurality of wires to produce a wrap, the metal foil of the shield tape being adjacent to the wires;
pressing the wrap in the shield applying region to produce a shielded wire assembly;
applying an insulating sheath to cover around the shielded wire assembly to produce the sheathed flat cable, the insulating sheath being joined to the polymer layer by the adhesive film; and
cooling the sheathed flat cable.

17. The method according to claim 16, wherein the pressing is performed by pressing the wrap between two oppositely rotating rollers.

18. The method according to claim 17, wherein one of the rollers includes a radial protrusion and the other of the rollers includes a complimentary radial recess forming the shield applying region.